

REMARKS

This preliminary amendment is submitted to correct clerical and computer processing errors.

On page 13, paragraph [0032], the drawings depict staining of the human AD brain. This is supported by the specification at page 12, line 1 of paragraph [0032] and by Example 6, page 33, renumbered paragraph [0080], previously paragraph [0077]. On pages 13 - 45, paragraphs numbers [0031] to [0092] generated by the computer were in error. These paragraphs are now renumbered properly as paragraphs [0033] to [0095]. No new matter is entered thereby. Entry of the amendment is requested.

Appendix 1 attached is a marked copy of the amendment as required by the rules.

Respectfully submitted,



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APPENDIX 1

The following is a marked copy of amendment made;

[0032] Figures 2a, 2b, 2c, 2d, and 2e are photographs showing Immunoperoxidase staining of serial sections of AD brain with immune and preimmune sera at 1:100 dilution and under 40X magnification. Figures 2a and 2d showed that the antibodies in guinea pigs immunized with A β ₁₋₂₈- ϵ K-MVF Th1-16 (SEQ ID NO:74) prepared in ISA51 water-in-oil emulsion strongly stained the plaques (P) forming a pattern of cores. Figure 2b is a photograph of the staining pattern of AD [pig] brain sections using the same immunogen in CFA/ICFA formulation. The anti-sera reacted predominantly with plaques on the blood vessels (BV). Figure 2c is a photograph of [a guinea pig] an AD brain section with preimmune serum and showed no staining. Figure 2e shows the brain section with hyperimmune sera generated by immunization with A β ₁₋₂₈ peptide alone in CFA/ICFA showing a surprisingly weak staining pattern despite the strong reactivity with A β ₁₋₂₈ by ELISA.

Page 13 to end of application: Please renumber paragraphs [0031] to [0092] as [0033] to [0095].